

DEC 1980 ① 5/

BARG NEWS



**Monthly Newsletter of the
Ballarat Amateur Radio Group**

80/12

1A

Monthly Newsletter of the
Ballarat Amateur Radio Group

EDITORIAL - NOV. 80

Well November and all is well from the magazines point of view....its still being published. Somewhat of a lack of reporters though. If you do have a pet aspect to the hobby I would be pleased to receive a small but regular contribution.

The end of the year club function is to be on the 17th Dec, the where part of the deal is to be finalized at the next meeting. If you cannot make it a phone call to a committee member might help. A good relaxed? and enjoyable function is expected and so are you...SO TURN UP OR....

IT COULD
SHOULD BE
YOU.

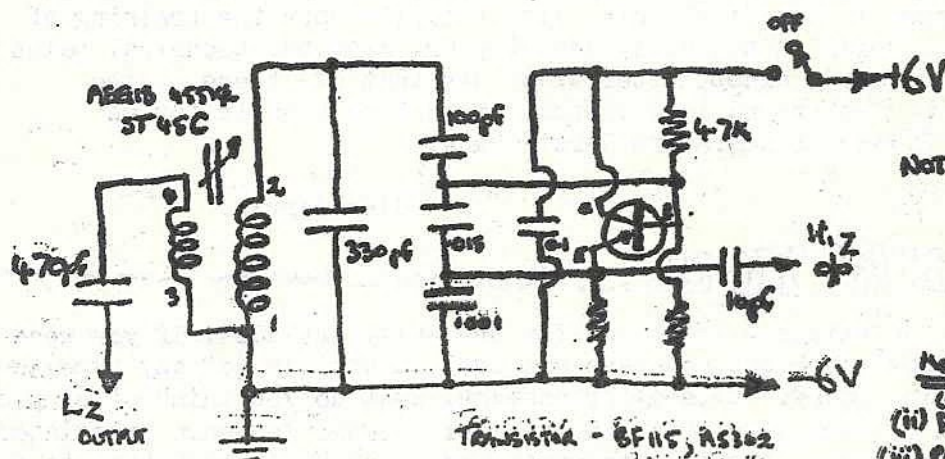
FIELD DAZE



The field day is almost upon us. (1931 year of the Han?) Some meetings ago a plan of organization was suggested to overcome some of the problems experienced last year. The suggestion was tat people with particular interests and equipment should group together to set up for each band. For an example Jerry Stevens and I are particularly interested in 20m and between us can supply a tent, furniture, heater/stove and extension leads. sounds great but at the moment we lack a Tx & Ac. If you can help here with this equipment or are willing to help operate let us know. If you are willing to help establish equipment for other bands contact Kevin. Maybe the OFFICAL FIELD DAY COORDINATOR - (Thats a new one for Kevin).

IDEA of the MONTH

The first of three outboard VFO's presented by Jack Reid.....



NOTE - (i) 100pF, 330pF
0.001 & 0.01uF
CAPACITORS SHOULD
BE POLYESTER
POLYSTYRENE OR
SILVER MICA.

NOT CERAMICS

(ii) BIAS ON
(iii) POWER 4.5-9V
DEPENDENT ON OUTPUT
REQUIRED
(iv) PENNIES ASSEMBLY
Horton 2 outputs

155KHz VFO
455KHz VFO

OS. VOL. 1 - 30/12/83

A.T.V.



ATV news this month. Are there any people interested in a mass production run of 432 Mhz converters. An idea along the line of a bulk purchase of parts and metalwork etc. to be arranged and possibly mass produced at a communal work in. I am most interested in supporting this project from the point of view of estimating costs and the metalwork at least. Even if you are unable to assist with the construction but would like to possess one of these amazing devices please send me some confirmation of your interest. You won't be held to this but it would like to know who and how many are interested so I can arrange some details. (An ideal Christmas gift that you could borrow occasionally.)

Clem Jarvis.

COMMUNITY RADIO FOR B' RAT.

The movement to establish a community F.M. radio station in Ballarat is still holding together. I am still involved with their technical committee and look forward to hearing from you if you are at all interested or are likely to be in the future. There is a need for an injection of experience from people who are experienced, (you think that's crazy before everything that's still wasn't really), in the art of programme production from the use of microphones to the final edit. With a little work the training of operators should begin in the early school year. From the technical point of view (I know I before except after v? or was that a?) there is the opportunity for a background in work that would form a basis for an attempt on the Broadcast Operators Certificate.

Clem Jarvis.

THANK YOU

Thank you from the editor - thank you for the early articles. If you read this with the knowledge that you have not sent an article (of any type) to me write something today. Buy, sell or comment. What do you think of ethnic T.V. on Channel 0? Should we write to the minister and demand a translator on 5A for Clunes? Post today in a stamped envelope your contribution to me at 210 Mumffray St Nth.

Clem Jarvis.

QUIZ

Death Valley? Ballarat? February 1981? Where will you be? What's the connection?

Field Day 1981 plans are underway to really make this event a model of organized chaos. Will you be there? Can you anything to help the club flag fly? Further details in this issue.

Q. When and where is the club end of year function? Ans.at.....

Q. What and when and where have the Geelong club organized our joint function? Ans. What arrangements for travel have you made.

80/12 4

MINUTES

The november monthly meeting of the BARG took place at the BCEC rooms on sunday, 2nd November, starting about 9.30.

Vice President Kevin ZHH opened the meeting and welcomed new members and visitors (Georhe ZEI new member)

APOLOGIES were received from Clarrie VEZ and Maurie Batt.

Minutes of last meeting were read and accepted (George DS/George VEI)

BUSINESS ARISING: Brian ZBS reported that the long awaited Xtals had arrived and that the repeater could be on air by Xmas, all going well. It was also stated that the ordered 10m and 15m Wulf Yagis arrived and are currently stored at Dick's (VU) place. According to all accounts, the "aerial circus" tape show was a roaring success and further shows were foreshadowed by Kevin ZHH

CORRESPONDENCE: None recorded as outgoing; incoming was a letter of thanks from E. Trebilcock, for his farewell gift from BARG. Also a letter from the Geelong club regarding their proposed giant trash-and-treasure meeting to be held Dec. 15th, it was proposed to send a letter of acceptance (brian ZBS/ ?)

TREASURER'S REPORT: Keith NWN reported that, after payment of bills for club stationery, postage, the repeater unit etc, the current balance of funds was \$1152.76, it is included the hire charges & freight for the video tapes seen.

(Jack AJR/Dick BSE)

QSL REPORT: Maurie not being present, it was stated that, due to the change in QSL state managers, there had been delays in the delivery of cards and none had been received.

EDUCATION REPT.: The number of participants in the novice course was said to be down by 50% on the original starters, but the remainders looked good prospects for passing the grade. Thanks were expressed to tutors of the course by one student on behalf of the group.

TECH. REPT.: 432MHz installation completed 3 weeks ago and working, but interference problems still persisting with Ch. 9. The repeater will also be up and going soon, all going well.

NEWSLETTER: Clem YDI did a good job and got the paper out ahead of schedule this time, but pleaded for earlier delivery of articles and ads to make setting up easier. It was suggested that subscriptions for non members be made available for a nominal charge of \$2.00p.a.

AWARDS: No great news, apparently all going smoothly

GENERAL BUSINESS: Maurie had earlier investigated available sources and prices for suitable club badges and some discussion took place about this and alternative ways of identifying all members at various functions to one another. Andrew mentioned lapel badges with Dymo name tags and will supply them by next meeting. Kevin ZHH then opened discussion on the question of alternative meeting times and locations and various suggestions were made, with the strong recommendation that the group look seriously at the available rooms at the RSL, where also equipment and/or literature could be stored. Another possible venue could be the SMB. The matter will be investigated by a sub-committee.

Geoff NLZ was to convene and conscript members to this and do some groundwork, to report to the meeting next time.

As to the meeting time, it appears to be better for most members to meet Wednesday nights, according to a show of hands. No decision.

Brian ZBS then reported on the WIA zone meeting at Kangarooie, which must have been a reasonable success. The place for the next convention was yet to be decided, with Ballarat being an outside runner in the stakes.

Kevin ZHH also put the question to the meeting whether the currently subscribed magazines were really useful to all members and, after some talk, it was decided to terminate all but one (ARA) and obtain more suitable imported mags instead for the money.

The official part of the meeting closed at 11.25

A not very well stocked bargain sale and/or auction then began and dragged on, it seems, for ever - or until the money ran out.

80/12 6

CALLING ALL BALLARAT AMATEURS

"OPERATION BALLARAT"

Our beautiful modern city has an extreme contrast, and that is another Ballarat.

This other Ballarat is an almost forgotten ghost town in the rugged desolate mountain range which rings California's Death Valley. The Californian Ballarat is tied to Australia's through a young prospector named George Riggins, who in 1897 came from the Famous Australian mining centre of Ballarat. The prospectors who gathered in the Panamint mountain range wanted a town named where they struck it rich. Riggins suggested the new town be given the name identified with gold the world over, and it was named Ballarat. However, in the early decades of the new century the mines were exhausted, and the town of Ballarat, U.S.A. became deserted and a ghost town.

Now almost 100 years later, Amateur Radio will briefly revive the town. For a short period during the winter weekend of January 30, 31 and February 1 1981 (Californian dates), the old ghost town will become alive again. The miners trademark, the pick and the shovel, will be replaced with the radio operators microphones and headsets. The prize will not be the gold nuggets but a certificate, showing today's scene from both Ballarats, linked together, although 10,000 kilometers apart.

A group of 20 amateurs from the Los Angeles area will set up the base with four HF transceivers, three 500 watt linear amplifiers, beam antennas, and 1kw generators.

To commemorate the expedition, a once only certificate will be issued to Amateur stations who contact both the Ballarat U.S.A. station and TWO stations located in Ballarat Victoria, during the expedition period.

I am seeking your assistance in operating your Amateur station as much as possible during the expedition period, on any band you wish. On completion of the expedition period please forward your log sheets to me as soon as possible. Suggest you keep a separate log. You may qualify for the certificate yourself if you so wish.

Expedition periods: 0200z 31 January to 1400z 2 February 1981.

Callsigns: Ballarat U.S.A. - AB6C

Ballarat Australia - Your own station callsign. Follow your
Call with the word "Ballarat".

Stations calling either Ballarat are to be given an identifier. This identifier consists of the LAST TWO LETTERS of your callsign, followed by a sequential number, eg. VK3XYZ = YZ001.

Stations applying for the certificate are to forward application to me at P.O. Box 425, Ballarat Vic 3350, along with name, callsign, address, identifier, and return postage. Certificates will be forwarded in a few weeks, as confirmation has to be obtained from U.S.A.

Please remember to keep a separate log, and to give to me as soon as possible after the expedition.

This expedition has the approval of A.R.R.L., and will be published in January issue of "QST", (also in A.R.A. and Amateur Radio)

Thanks in anticipation of your co-operation.

Clarry Kitzelmann
VK3VEZ
B.A.R.G. Publicity Officer

80/12 7

WENDOUREE APEX CLUB AIR SPECTACULAR 1981

The Ballarat Amateur Radio Group has again been approached to assist the Wendouree Apex Club with the presentation of their Air Spectacular. We have been asked to provide VHF communications at several locations around the airport area. We have done this type of exercise in the past and found it to be very successful. It will be held on Sunday March 1st 1981 at the Ballarat airport. The people who participated last time had a most enjoyable day and I am sure that it will be the same in 1981. If you can help with this project by being at the airport or by loaning some equipment then please let me know as the Apex club needs to know what we can provide so they can make alternative arrangements if necessary. You can telephone me on 391005 BH or 395317 AH.

73's;

BOB TERRILL VK3BNC

-----0000000-----

OPERATION BALLARAT

OPERATION BALLARAT

OPERATION BALLARAT

.....AMENDMENT

BALLARAT U.S. of A :

CALLSIGN AB6C

.....

FREQUENCIES NOW

28.5 to 28.6

21.3 to 21.4

14.2 to 14.3 MHz

Also 40 meters

.....

***** PLEASE pass on the above information.

80/12 8

< NEWS DX NEWS DX NEWS DX NEWS DX NEWS DX NEWS DX NEWS DX NEWS DX NEWS DX NEWS DX NEWS

There are two items of good news this month for both HF dx-ers and also for the VHF dx-ers. Firstly comes the news that Uganda has been active once again for the first time in several years. There are two Americans presently in Uganda and they have been given permission to operate. They are signing WB4ZNH/5X and WN4FVU/5X and have been most active on 20 Mx but are planning 10 and 15 Mx operation.

The VHF news is that the ^{6m} band opened up on Monday 17th November and the following contacts were made.... VK3 to all ZL call areas; VK3 to VK2 and VK4 ; VK5 to W6 and ZL to W6. This is the time of the year for this type of opening so keep an ear open.....

Two meters has been very good with some very distant stations coming up on the repeater and also a lot of activity on the low end of the band. I have at home an old Channel ϕ antenna in reasonable condition. If anybody wants it to get onto 6 Mx they are welcome to come and collect it, gratis. The following is a list of stations heard around the bands in the last month;

160 Mx	80 Mx			40 Mx			
VK3	H44	VE7	4M3	PY8	DN6	HK ϕ	VE3
VK4	AH6	KL7	PJ2	PJ2	HM5	TG9	FO ϕ
VK5	VP1	ZP5	AC6	CT1	CE3	3D2	KL7
	JA2	PY1		F6	TI2	EA7	I1
	5W1	FO ϕ		SM6	YB ϕ	G3	EA3
	N6	KH6		EA9	T3	VK ϕ	XE1

20 Mx				15 Mx	10 Mx	
5X	SN ϕ	EA8	JT1	JA	8Q7	SV5
9K3	A9X	HC8	HZ1	VK	SV9	FP ϕ
ET3	60 ϕ	HZ1		W	3B8	KX6
JY5	HV2	YK1		G	W	KP2
VK ϕ	EI7	EL2		ZL	S79	UL7
5B4	EA9	7X2		OZ	UB5	DL
					5N ϕ	4U1
					ZF2	KC6 (East Carolines)

If anybody needs to know the full call of any of the prefixes listed or wants to know what time they were logged they can find out the info from me. You will notice that the 15Mx list is very short..no reports...

80/12

9

The following is some QSL information that I have compiled for those who may be missing it....

EL2AV	via N6FL	VP2MGS	via WØRAO
EL2FY	via JHØKAI	J28CC	via F6CYG
ZK2PD	via ZL2PD	9U5AV	via K5VT
SVØBC/9	via WB7NCF	SV1NN	Box 2586 Athens Greece
A7XE	via DF4NW	CE9AF	Box 13630 Santiago Chile
C6ADV	via N7YL	TR8DX	via F6ESH

That completes the DX report for this month from me. Please send any reception reports for inclusion in the next newsletter to my home QTH. I especially need some information on the 15 meter activity. Many thanks to Maurie VK3/13062 and Peter VK3AWY for their assistance.

73's and good DX

Dick VK3VU

_____0000000_____

COMBINED TRASH AND TREASURE SALE

A trash and treasure sale will be held at the Geelong Amateur Radio Club's rooms on Saturday December 13th at 2.00pm. Each person will be able to negotiate the sale of unwanted goods during the afternoon and after a BBQ tea there will be an auction. Several Melbourne clubs have indicated that they will be attending along with the western district clubs. However to make the afternoon a success you must bring along a piece of gear or junk to sell. If this years sale is a success then another club will be invited to host it next year. The GARC will provide BBQ's and a limited number of hamburger packs so play it safe and BYO.

Hoping to see you there

Dick VK3VU

80/12 10

340 Gillies Street.
Thornbury.
Victoria. 3071.

October 3rd 1980.

To the Members.

Ballarat Amateur Radio Group. Ballarat.

Through the good offices of my old friend Morrie Batt, I wish to belatedly thank you all for the great honor you recently did me with the presentation of the book "Lucky City" and the accompanying card of members autographs.

It was very thoughtful of one and all for thinking of me the way you did at the end of my 20 years reign as VK3 Inwards QSL Manager, and I most sincerely appreciate receiving such a splendid book and of course the 30 odd signatures of members.

I would like you all to know that Amateur Radio has been on my mind for 55 years now, and so has "QSL" and "QSL Cards".

When I took the QSL Bureau job on I was no novice to the QSL card game, far from it, (I now believe I've handled over one million QSL cards). In doing the Bureau job I was always loyal to the cause, conscientious on the job, and even if I say so a jolly hard worker!! Above all it has always been my policy to be a man of honor, without the afore-said qualities I could not and would not have succeeded in my task on your behalf over such a long period.

Once again, thanks for everything, (including SAE's from some) plus grateful letters since I "retired", you are my close friends for ever.

73. Eric Trebilcock.

L3-0042. BERS I95.

(Retired Inwards QSL Mgr VK3)

80/12 11

FOR SALE FOR SALE FOR SALE

Tower 50' Hills windup unused (the two heavy bottom sections of a 75' footer)

Complete with tilting Base Bracket : \$300

Rotator cage for heavy duty rotator to bolt to top of above tower, weight reduced, cadmium plated and fitted with new thrust bearing for 2" pipe. Unused. \$50

Daiwa 7600 rotator complete, fitted in above cage with shock mounting and clamp. Unused. \$260

Make a noise on 2 metres 2m transverter "Europa" advertised 200w p.e.p plugs direct into Ft101 for all power requirements new. \$200

Re the above items contact : George VK3DS
114 Brittain St.
Mt. Pleasant, 3350
Tel. 323226

WANTED WANTED WANTED WANTED WANTED WANTED WANTED

* 1-36 MHz CRYSTAL
and 811 Valves .

Reply VK3WN Kevin
Tel. 358135 A.H.

PS. Wonder if Kevin is setting up shop ?
Eight Hundred And Eleven Valves !

80/12 12

Lower Murray Amateur Radio Club,

P. O. Box 234,

MURRAY BRIDGE, 5253, S.A.

5/11/80.

Dear Sir,

As a fund raiser, we have access to a limited number of bearings, as per enclosed details.

The bearings are unused and in their original packing and form part of a factory surplus.

There are many uses for these, members of our club having used them in rotatable antenna and tower applications.

We are at present negotiating the purchase of these bearings and would like to know your requirements before final details are made. We expect a big demand for our low price - so get your order in early.

Individual bearings - \$6.00 each

Bulk purchase 5 and over - \$5.00 each

These prices include post and packing in Australia.

Please DO NOT include money with order.

Yours faithfully,

C. S. Schick.....
(Club Secretary),
C. S. Schick.

To Secretary,
Lower Murray Amateur Radio Club,
P.O. Box 234,
MURRAY BRIDGE, 5253, S.A.

Our club is interested in purchasing(state no.) bearings as per your specifications. Cost \$6.00 each or \$5.00 each for orders of 5 or more.

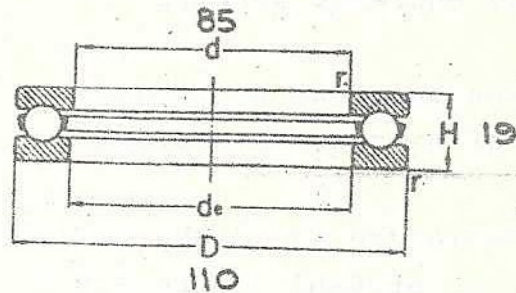
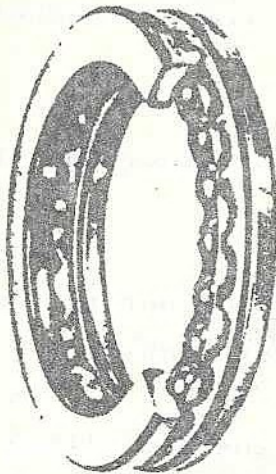
NAME:.....

ADDRESS:.....

80/12 13

51100 EXTRA LIGHT SERIES

single thrust ball bearings

 Bearing Series 511
 Dimension Series 11


BEARING NO.	NOMINAL DIMENSIONS									BASIC LOAD RATING KG		RECOMMENDED SHAFT MIN.
	d		d _c		D		H		r	DYNAMIC C	STATIC C ₀	SHAFT MIN.
	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM			
51100	10	.3937	11	.4331	24	.9449	9	.3543	0.5	785	1130	18
01	12	.4724	13	.5118	26	1.0236	9	.3543	0.5	760	1130	20
02	15	.5906	16	.6299	28	1.1024	9	.3543	0.5	780	1250	23
03	17	.6693	18	.7087	30	1.1811	9	.3543	0.5	850	1470	25
51104	20	.7874	21	.8268	35	1.3780	10	.3937	0.5	1120	2010	28
05	25	.9843	26	1.0236	42	1.6535	11	.4331	1	1530	3020	35
06	30	1.1811	32	1.2598	47	1.8504	11	.4331	1	1600	3430	40
07	35	1.3780	37	1.4567	52	2.0472	12	.4724	1	1550	3720	45
51108	40	1.5748	42	1.6535	60	2.3622	13	.5118	1	2110	5100	52
09	45	1.7717	47	1.8504	65	2.5591	14	.5512	1	2190	5610	57
10	50	1.9685	52	2.0472	70	2.7559	14	.5512	1	2260	6120	62
11	55	2.1654	57	2.2441	78	3.0709	16	.6299	1	2730	7560	70
51112	60	2.3622	62	2.4409	85	3.3465	17	.6693	1.5	3240	9150	75
13	65	2.5591	67	2.6378	90	3.5433	18	.7087	1.5	3270	9530	80
14	70	2.7559	72	2.8346	95	3.7403	18	.7087	1.5	3380	10300	85
15	75	2.9528	77	3.0315	100	3.9370	19	.7480	1.5	3320	10300	90
51116	80	3.1496	82	3.2283	105	4.1339	19	.7480	1.5	3500	11400	95
* 17	85	3.3465	87	3.4252	110	4.3307	19	.7480	1.5	3610	12200	100
18	90	3.5433	92	3.6220	120	4.7244	22	.8661	1.5	4680	15400	110
20	100	3.9370	102	4.0157	135	5.3150	25	.9843	1.5	6670	21800	120
51122	110	4.3307	112	4.4094	145	5.7087	25	.9843	1.5	6840	23400	130
24	120	4.7244	122	4.8031	155	6.1024	25	.9843	1.5	6980	25000	140
26	130	5.1181	132	5.1968	170	6.6929	30	1.1811	1.5	8130	28600	155
28	140	5.5118	142	5.5905	180	7.0866	31	1.2205	1.5	8350	30600	165
51130	150	5.9055	152	6.0842	190	7.4803	31	1.2205	1.5	8570	32700	175
32	160	6.2992	162	6.3779	200	7.8740	31	1.2205	1.5	9100	36700	185
34	170	6.6929	172	6.7716	215	8.4646	34	1.3386	2	10700	42800	195
36	180	7.0866	183	7.1653	225	8.8583	34	1.3386	2	10600	42800	205
51138	190	7.4803	193	7.5984	240	9.4488	37	1.4567	2	13600	55000	220
40	200	7.8740	203	7.9921	250	9.8425	37	1.4567	2	13700	56700	230
44	220	8.6614	223	8.7795	270	10.6299	37	1.4567	2	13900	60000	250
48	240	9.4488	243	9.5669	300	11.8110	45	1.7717	2.5	18900	82700	275
52	260	10.2362	263	10.3543	320	12.5984	45	1.7717	2.5	19200	87300	295

* SEE ADT OR NLZ